

ABSTRACT

This invention generally is directed to a process and apparatus to remove or reduce the amounts of arsenic in drinking water by contacting the arsenic-containing water with a reactant, such as limestone, dolomite, clay materials including zeolites, iron oxide, magnesium carbonate, mixtures or combinations thereof, or similar compounds. Arsenic-containing water may be placed in contact with the reactant in a variety of ways, including by passing through a filter containing the reactant, passing through a packed column containing the reactant and passing through a reservoir into which the reactant is inserted. The invention may be employed at the point of source of the water, at the point of use of the water or at any point between the source and the user and is particularly advantageous for use in home, rural or relatively smaller drinking water systems.